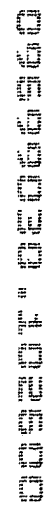
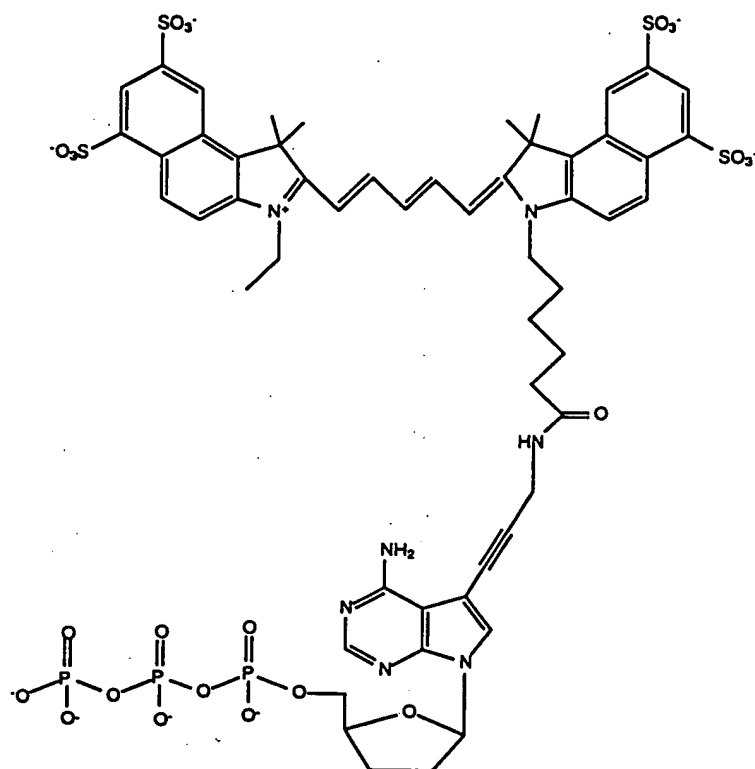


DO NOT WRITE IN THESE SPACES

- DO NOT WRITE IN THESE SPACES

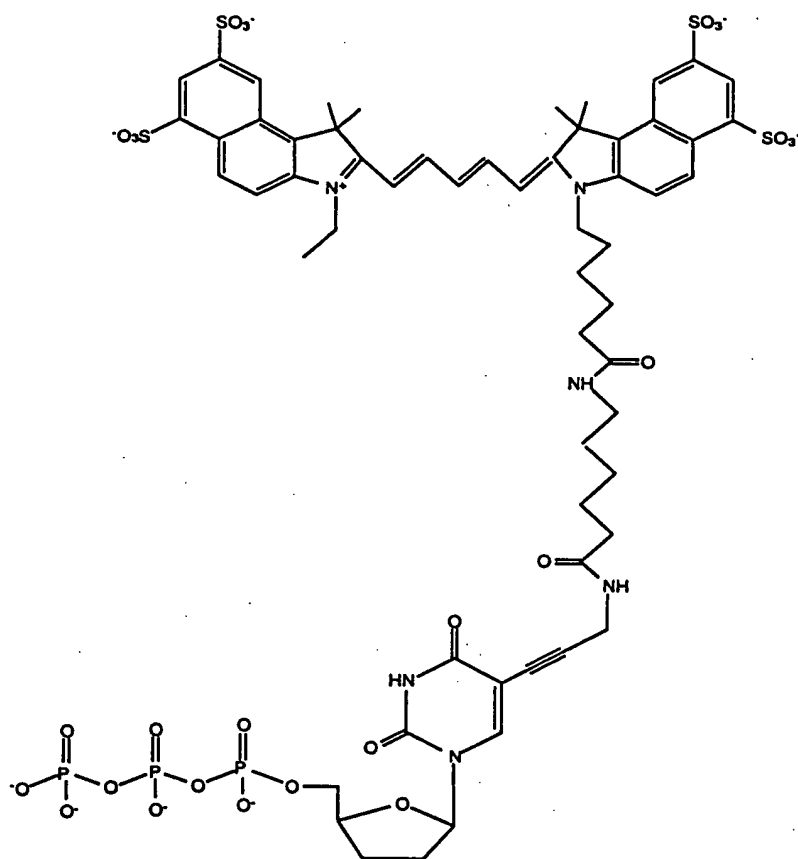
[illegible]

6. A compound of the formula (III):



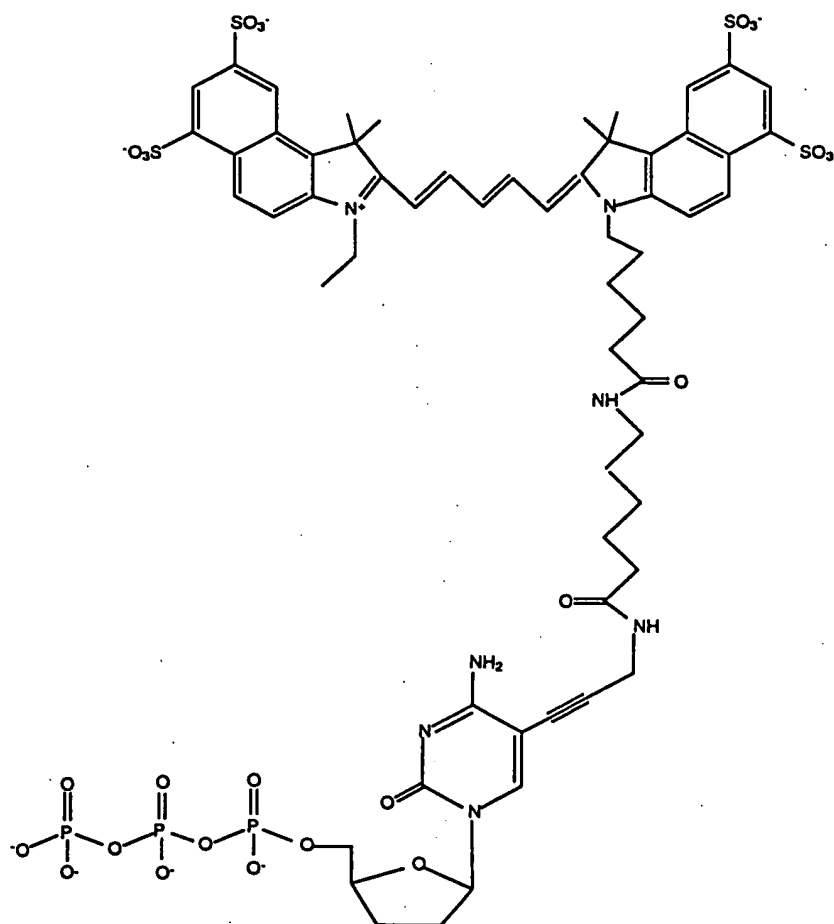
003201 0206360

7. A compound of the formula (IV):



009207 0206960

8. A compound of the formula (V):



9. A deoxyribonucleic acid sequence containing the
5 compound of formula I.

10. A deoxyribonucleic acid sequence containing the
compound of formula II, III, IV, or V.

11. A kit for DNA sequencing comprising compounds of
10 formula II, III, IV, and V.

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12. The kit of claim 11, further comprising a thermostable DNA polymerase.

13. The kit of claim 12, wherein said polymerase is a thermostable DNA polymerase that has an altered dNMP binding site so as to improve the incorporation of dideoxynucleotides relative to the natural polymerase.

14. Method for determining the nucleotide base sequence of a DNA molecule comprising the steps of:

incubating a DNA molecule annealed with a primer molecule able to hybridize to said DNA molecule in a vessel containing a thermostable DNA polymerase, one of a set of four dye terminators with an linker of at least 10 atoms between the dye and the nucleotide and separating DNA products of the incubating reaction according to size whereby at least a part of the nucleotide base sequence of said DNA molecule can be determined.

15. Method for determining the nucleotide base sequence of a DNA molecule comprising the steps of:

incubating a DNA molecule annealed with a primer molecule able to hybridize to said DNA molecule in a vessel containing a thermostable DNA polymerase, a compound of formula I and separating DNA products of the incubating reaction according to size whereby at least a part of the nucleotide base sequence of said DNA molecule can be determined.

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